

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20040125430").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/28 10:14
S2	356	(359/247).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/26 10:20
S3	145	(359/249).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/26 10:21
S4	463	(359/254).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/26 10:23
S5	278	(349/74).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/26 10:53
S6	23	(349/82).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/26 10:53
S7	22	("4231640"   "4335936"   "4436379"   "4443062").PN. OR ("4659182").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 10:54
S8	43	("3738099"   "3751137"   "3771855"   "3848247"   "3981560"   "4142182").PN. OR ("4443062").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 10:57
S9	32	("3588225"   "4231640").PN. OR ("4335936").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:03
S10	31	(349/83).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/26 11:03
S11	4	("20040017529"   "6437900"   "6831711"   "6847427").PN. OR ("6961105").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:05
S12	7	("5570267"   "6262785"   "D408030").PN. OR ("6445574").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:09
S13	83	(349/77).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/26 11:09
S14	4	((("6462724") or ("5686979") or ("20010022632") or ("6456279")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/26 11:16

## EAST Search History

S15	36	("2761056"   "4011001"   "4672153"   "4811507"   "4897511"   "5127050"   "5341231"   "5584556"   "5670755"   "5774107"   "6020944"   "6088074"   "6147732"   "6199995"   "6204896"   "6264343").PN. OR ("6456279").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:19
S16	257	("3565985"   "3610729"   "3647612"   "3711176"   "3759647"   "3773882"   "3801429"   "4025688"   "4094947"   "4268127"   "4285577"   "4310584"   "4435047"   "4446305"   "4520189"   "4521588"   "4525413"   "4540623"   "4749261"   "4783150"   "4799772"   "4848875"   "4937134"   "5044736"   "5089318"   "5093739"   "5094788"   "5094793"   "5095210"   "5103337"   "5113270"   "5122905"   "5122906"   "5126880"   "5138474"   "5139340"   "5149578"   "5164856"   "5194975"   "5200843"   "5202074"   "5217794"   "5233465"   "5234729"   "5268782"   "5269995"   "5278694"   "5295009"   "5309422"   "5316703"   "5325218"   "5339179"   "5339198"   "5360659"   "5389324"   "5422756"   "5424119"   "5448804"   "5451449"   "5486949"   "5540978"   "5552927"   "5568316"   "Re34605").PN. OR ("5686979").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:24
S17	7	("20010017679"   "20040021809"   "5686979"   "6254249"   "6266119"   "6295109"   "6574487").PN. OR ("7002649").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:26
S18	3	("6480248"   "6741304").PN. OR ("6897914").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:40
S19	4	("20020030772"   "5103328"   "5686979").PN. OR ("6741304").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:41
S20	29	("4591886"   "4634226"   "4778260"   "4843381"   "4904064"   "4909607"   "4924215"   "4958915").PN. OR ("5103328").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:43

## EAST Search History

S21	5	("20040100598"   "5592314"   "5742367").PN. OR ("6847427").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:44
S22	7	("4637687"   "4693560"   "5103328"   "5537233"   "6141068"   "6707515").PN. OR ("6831711").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:46
S23	6	("4637687"   "5103328"   "5742367"   "5856812"   "6028649"   "6501528").PN. OR ("6801271").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:47
S24	8	("4597635"   "5436744").PN. OR ("6501528").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:48
S25	9	("5353075"   "5537233").PN. OR ("6028649").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:49
S26	16	("4139279"   "5153760"   "5289998"   "5406323"   "5523776").PN. OR ("5742367").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:51
S27	6	("20030063456"   "5625968"   "5742367"   "6494593"   "6674496"   "6741301").PN. OR ("6981791").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:51
S28	4	("20010017679"   "20010050734"   "20030063243").PN. OR ("6674496").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:53
S29	3	("5742367"   "6469449").PN. OR ("6859365").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:54
S30	12	("20010008433"   "20010020985"   "20010022632"   "20010033347"   "5774107"   "5831702"   "6088069"   "6204896"   "6456279"   "6501528"   "6572941"   "6611299").PN. OR ("6771327").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:55
S31	4	("20010011029").PN. OR ("6741301").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:56
S32	7	("20030234897"   "4985809"   "5889623"   "6741301"   "6806920"   "6871975"   "6882382").PN. OR ("7001059").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:57
S33	5	("20020070914"   "5381309"   "5404277").PN. OR ("6871975").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 11:58

## EAST Search History

S34	4	("20020030772"   "5103328"   "5686979").PN. OR ("6741304").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 12:00
S35	15	("5044732"   "5068749"   "5321539"   "5357340").PN. OR ("5592314").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 12:04
S36	6	((("6897914") or ("6847427") or ("20030103174") or ("20050073627") or ("6633722") or ("20030063456")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/26 12:16
S37	21	(362/607).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/26 12:16
S38	14	("20030063456"   "20040008506"   "5018290"   "5143433"   "5329388"   "5453855"   "5844773"   "5956107"   "5963287"   "6026602"   "6354709"   "6502945"   "6847427"   "6897914").PN. OR ("6986598").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 12:20
S39	55	(362/603).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/26 12:33
S40	100	casio and (nishino near2 toshiharu)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/26 12:40
S41	1	nec and (goto near2 junko)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/26 15:13
S42	1	((optical\$3 near5 adhesive) with (refract\$4 near2 index)) and (349/74.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/26 15:14
S43	98	((optical\$3 near5 adhesive) with (refract\$4 near2 index)) and ("349"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/26 16:09
S44	1	("20020054261").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/26 15:36

## EAST Search History

S45	1	("6899957").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/26 15:36
S46	32	((optical\$3 near5 adhesive) with (refract\$4 near2 index)) with gel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/26 15:42
S47	58	"349"/\$.ccls. and (adhesive near6 gel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/26 16:43
S48	1	"349"/\$.ccls. and ((adhesive near6 gel) with (refract\$4 near3 index))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/26 15:51
S49	51	((adhesive near6 gel) with (refract\$4 near3 index))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/26 15:55
S50	54	((adhesive near6 silicon) with (refract\$4 near3 index))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/26 16:02
S51	51	((optical\$3 near5 adhesive) with ((refract\$4 near2 index) near6 ("1.49" or "1.5" or "1.3")))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/26 16:09
S52	1	("20030160740").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/26 16:43
S53	170	(349/144).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/27 10:07
S54	7	("3940201"   "4791417"   "4808991"   "5146213").PN. OR ("5347393").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/27 10:13

## EAST Search History

S55	7	("5056893"   "5157524").PN. OR ("5208689").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/27 12:53
S56	462	((("tn" or "twisted nematic") with (retardation or ((refract\$4 near2 index) with variation))) and "349"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:06
S57	4	((("tn" or "twisted nematic") with (retardation or ((refract\$4 near2 index) with variation))) and "349"/74.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:04
S58	215	((("tn" or "twisted nematic") with ("liquid crystal" near6 (retardation or ((refract\$4 near2 index) with variation)))) and "349"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 13:09
S59	197	(349/181).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/27 13:11
S60	14	((refract\$4 near2 index) with (variation or temperature)) and S59 and ("tn" or "twisted nematic")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 15:51
S61	184	(349/73).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/27 15:52
S62	91	polariz\$4 and S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 16:15
S63	1853	(polariz\$4 near6 (region area)) with (absor\$5 or reflect\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 16:16

## EAST Search History

S64	110	(polariz\$4 near6 (region area)) with (absor\$5 with reflect\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 16:38
S65	54	S64 and "349"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 16:18
S66	15	("4315258"   "4398805"   "5598300"   "5808709"   "5986730"   "6008871"   "6011602"   "6025897").PN. OR ("6359668").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/27 16:32
S67	56	S64 not S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 16:55
S68	35	((reflect\$4 near5 polariz\$4 near6 (region or area)) with (absor\$5 near5 polariz\$4 near6 (region or area)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 16:56
S69	11	("3313941"   "3391479"   "3610120"   "3827726"   "4175775"   "4659112"   "5284364"   "6570648").PN. OR ("6667797").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/27 17:18
S70	2	((("5396350") or ("5598281"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/27 17:18
S71	13	((("6853418") or ("5600455") or ("20030063234") or ("5764315") or ("5521797") or ("6897914") or ("6239851") or ("6466292") or ("5134549") or ("5851062") or ("5944405") or ("5883684") or ("6139161"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/28 08:44
S72	132	nec and (sumiyoshi near2 ken)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 08:44

## EAST Search History

S73	112	S72 and ("liquid crystal")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 08:44
S74	1	("6707515").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/28 09:12
S75	3	((("6542208") or ("20020089622") or ("6809782"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/28 09:22
S76	6	((("6847427") or ("20040100598") or ("5592314") or ("20020126468") or ("20030165060") or ("6773766"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/28 09:22
S77	2	((("20040008506") or ("20030112217"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/28 10:15
S78	1	("7034799").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/28 10:15
S79	4	("20020015807"   "5105186"   "5254905"   "5375043").PN. OR ("7034799").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/28 10:23
S80	3	((("6741301") or ("6961105") or ("20010011029"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/28 10:24
S81	11	((("20010049293") or ("5450619") or ("6496238") or ("20010041543") or ("20020058527") or ("6611097") or ("6667731") or ("20010011029") or ("6748243") or ("6757036") or ("6741301"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/28 10:25
S82	7	("5115228"   "5663816"   "5790214"   "5808711"   "5856819"   "5963280"   "6132048").PN. OR ("6757036").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/28 10:27
S83	19	("2200300"   "4137524"   "4235526"   "4418377"   "4422719"   "4635033"   "4669828"   "4949489"   "5099343"   "5124890"   "5202950"   "5390085").PN. OR ("5963280").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/28 10:33



## EAST Search History

S84	11	nokia and (antila near2 mika)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 10:40
S85	30	("4611897"   "4720781"   "4794390"   "5016002"   "5049862"   "5189632"   "5337346"   "5467102"   "5584054"   "5653522"   "5657370"   "5687939"   "5706068"   "5742894"   "5835458"   "5854997"   "5859623"   "5896575"   "5929834"   "5949643"   "5977934"   "5995175"   "6014573"   "6047196"   "6073034"   "6144358"   "6327482").PN. OR ("6583770").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/28 10:49
S86	1	("20030128316").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/28 15:05
S87	1414	((refract\$4 near2 index) with wavelength) and "349"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 15:11
S88	16	S87 and ((variation near6 (refract\$4 near2 index)) with temperature)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 15:06
S89	463	((("liquid crystal" near6 (refract\$4 near2 index)) with wavelength) and "349"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 16:06
S90	270	S89 and temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 16:07
S91	36	((("liquid crystal" near6 (refract\$4 near2 index)) with wavelength) with (motivation benefit enhance obtain achieve reduce allow)) and "349"/\$. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 15:29

## EAST Search History

S92	30	(ratio with (wavelength near6 (refract\$4 near2 index near4 anisotrop\$2))) and "349"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 15:43
S93	2	(alpha with (wavelength near6 (refract\$4 near2 index near4 anisotrop\$2))) and "349"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 15:51
S94	26	("3923379"   "4099855"   "4232948"   "4268127"   "4443065"   "4548479"   "4664482"   "4715686"   "4844569"   "4904058"   "4906073"   "4909606"   "4952029").PN. OR ("5119216"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/28 15:48
S95	4	(alpha with (wavelength near6 (refract\$4 near2 index near4 anisotrop\$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 15:52
S96	17	S89 and (temperature with (percent\$4 or "%"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 16:11
S97	0	(varia\$5 near6 (percent\$4 or "%")) with (refract\$4 near2 index near2 anisotrop\$2) with temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 16:15
S98	1	((change varia\$5) near6 (percent\$4 or "%")) with (refract\$4 near2 index near2 anisotrop\$2) with temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 16:18
S99	8	(percent\$4 or "%") with (refract\$4 near2 index near2 anisotrop\$2) with temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 16:24

## EAST Search History

S10 0	3	(percent\$4 or "%") with (chang\$4 near6 (refract\$4 near2 index near2 anisotrop\$2)) with (chang\$4 near6 temperature)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 16:24
S10 1	3	(percent\$4 or "%") with ((chang\$4 varia\$4) near6 (refract\$4 near2 index near2 anisotrop\$2)) with ((varia\$4 chang\$4) near6 temperature)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 16:25